

ABSTRACT OF THE DISCLOSURE

An electrolytic apparatus for molten salt having an electrolytic cell to electrolyze an electrolytic bath including a mixed molten salt. The apparatus includes a jacket configured to heat and/or cool the electrolytic cell body, and an outer frame placed outside the jacket with space and to seal the jacket. The apparatus further includes a heat insulating zone capable of decompression or vacuum formed inside the outer frame. Further, an electric insulating material and a gas sealing material which are placed in the electrolytic cell for simultaneous electric insulation and gas sealing.